SBR No. 14/14-15
DATED 01-7-14

EE/ELE/Y/BR.No. 14/14-15
Dt. 01-7-14

Original/Duplicate/ Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. *First & Final* Date.....2010

Division: **Electricals** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code -011-11-000050**

Schedule Docket No. Head of Account : P-2200 13th Finance
D.R.No. :

Name of Work: **Providing aerial bunch cable and additional street lighting fitting for arranging load to the bio gas power plant generation plant situated at Kuvempunagara ward no-11**

Name of Contractor and Full Address: *M/S. Power Tech Electricals*

Reference to Agreement No.EE/Elect/YZ/WO/ 09 /2013-14 Date: 24.09.2013

Certified that the measurements were taken by me on 1/7/14 and recorded of Pages 120250 to 120258 of measurement Book No. 1203 /2010-11 and that the work is satisfactorily executed.

For POWER-TECH ELECTRICALS
Proprietor
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 1/7/14 ...and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
Sub Division Officer

II Memorandum of Payment

		BBMP, Bangalore
1) Total value of work done or supplies made as per account within	Bill =	800170=00
2) Deduct amount to be held in reserve being .....percent Rs.....		
3) " Balance	IT 1%	8002=00
4) Deduct Payment:	VAT 4%	32,007=00
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	FSD 5%	40,009=00
	LWC 1%	8002=00
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	CBF 0.1%	800=00
	Fine	4800=00
5) Balance being unpaid value of work done held in reserve.	deductions	93,620=00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	cheque	7,06,550=00
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted		

For POWER-TECH ELECTRICALS
Proprietor
Contractor's Signature

Received Rs..... (in words).....
.....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.
Dated

For POWER-TECH ELECTRICALS
Proprietor
Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P-2200 13th Finance
Stamp
ರೂ: 800170=00 ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: 706550=00 ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 93620=00 ಹಿಂದಾಣಿಕೆ ಮಾಡಿದೆ

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು

ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Executive Engineer

Sl. No.	Description of item	Unit
1	Fabricating supplying and and mounting MS box made out ..... SWG suitable for floor/ wall mounting , fully weather proof with provision for better heat dissipation, provided with hinged fron cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., compleate , b) 16SWG,	Sqcm
2	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.,Group 'A' PWD SR 2007-08	Each
3	Supplying and fixing of 4 pole power contactor with NO/ NC contacts on existing wood/panel board using necessary bolts.nuts,washers and wiring etc,complete.with AC-3 rating as per IS-13947,c) 60-70 Amps ,	Each
4	Supplying and fixing Miniature circuit breakers over the existing MCB distribution boards using necessary fixing materials and 'C' type curve,indicator On/OFF Energy cross -3 with short circuit breaking capacity of 10K and complete wiring as required. Make: ABB, Seimens, Legrand, L&T, MG f) 40-63 Amps TPN 1) Group 'A'	Each
5	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts bolts and washer etc, complete c) 63 Amps	Each
6	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc d. 35 Sqmm	Each
7	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	Rmtr
8	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable	
	e) 3.5 core 25sqmm	Per Mtr
9	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct.	
	b) 25 sqmm to 75 sqmm	Rmtr
10	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	Rmtr
11	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	Per Mtr
12	Supplying and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and shall be mounted on Octogonal pole using necessary bolts, nuts, etc., complete. a) Single Arm Bracket with 1000mm Standard	Each
13	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class . a. 40 mm	Rmtr
14	Supplying and fixing/replacement of ignitor suitable for 70 to 400 watts SV/MH fittings a) Group A	Nos
15	Supply and fixing of 230 volts Porcelain holder for MV/SV/MH lamp b) 250-400 Watts lamp Holder	Nos
16	Supplying and fixing HPSV lamps on existing fitting mounted on tubular pole c) 250 Watts	Nos
17	Supply and fixing of 250 Watts heavy duty open construction ferromagnetic copper ballast for HPSV/HPMH lamps c) 250 Watts 2. Group B	Nos
18	LT 3 phase 5 wire Aerial Bunched Cable of size 3X25+1X16+1X25+1X35 sqmm (Standard Stock materials 2009-10) Rs 81450/ Kmt	P/Mtr
19	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (3X 50 Sq mm + 1X 16 sqmm + 1X 50 Sqmm + 1X 35 sqmm) 2.(3 X95) (for phase Conductor)+ (1X 50)(insulated messanger neutral)+(1X16)(Labour charges 2010-11) Rs 8961/Kmt	P/Mtr
20	Piercing connector suitable 16 Sqmm - 95 Sqmm AB cable service connections (Standard Stock materials 2010-11)	Nos

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
0	0.00	42000	0.33	13860.00	42000	13860.00	
0	0.00	2	4200.00	8400.00	2	8400.00	
0	0.00	6	3865.00	23190.00	6	23190.00	
0	0.00	2	1495.00	2990.00	2	2990.00	
0	0.00	9	219.00	1971.00	9	1971.00	
0	0.00	2	313.00	626.00	2	626.00	
0	0.00	16	240.00	3840.00	16	3840.00	
						0.00	
0	0.00	71	215.00	15265.00	71	15265.00	
						0.00	
0	0.00	71	11.00	781.00	71	781.00	
0	0.00	46	50.00	2300.00	46	2300.00	
0	0.00	483	25.00	12075.00	483	12075.00	
0	0.00	50	1650.00	82500.00	50	82500.00	
0	0.00	17	240.00	4080.00	17	4080.00	
0	0.00	50	520.00	26000.00	50	26000.00	
0	0.00	50	78.00	3900.00	50	3900.00	
0	0.00	50	809.00	40450.00	50	40450.00	
0	0.00	50	993.00	49650.00	50	49650.00	
0	0.00	1675	81.45	136428.75	1675	136428.75	
0	0.00	1672	8.96	14981.12 14982.79	1672	14981.12 14982.79	
0	0.00	100	210.00	21000.00	100	21000.00	

21	Dead End Clamp/ Anchor clamps assembly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	Nos
22	suspension clamp assemblly 25 to 95 sqmm bear messanger (Standard Stock materials 2010-11)	Nos
23	Errection of suspension clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	Nos
24	Errection of Anchor clamp 25 to 95 sqmm bear messanger (Labour charges 2010-11)	Nos
25	Istallation of insulation piercing connector for main to street light Main: 16 -95 sqmm,Tap: 1.5-10 sqmm (EP 95)	Nos
26	LT 1 phase 3 wire Aerial Bunched Cable of size 1X25+1X16+1X25 sqmm	P/Mtr
27	Striniging of 1.1 KV grade aerial bunched 3 core cable of XLPE insulation standard aluminium conductor standard around a weather resistant black XLPE insulated AAA messanger wire (1X 25 Sq mm + 1X 16 sqmm + 1X 25Sqmm + 1X 35 sqmm)	P/Mtr
28	Universal Hook & Bolts and Nuts	Nos
29	Fixing of Universal hook	Nos
30	Casting of suitable foundation for the Octagonal Pole including designing and cost of all materials like Anchor plates,Template and washers labour charges, all other incidental charges etc,. complete as per specification and Drawing given in KPWD elect SR 2010-11(P.No 103) Detailed Calculation as per CIVIL SR items Enclosed.	Each
31	Hire Charges Components for Tractor 50 HP ,Sl no 20, Page No XXXIV, KPWD SR CIVIL 2010-11	Day
32	Hire Charges Components for Crane Charges ,Sl no 66, Page No XXXVI, KPWD SR CIVIL 2010-12	Day
33	Supplying and Fixing 4 Nos of 590 mm length High Yield Tensile Cold Rolled Pitched threads (680 N/sq mm) 27 mm Bolt dia (Mkt Rate)	Nos
34	Laying of UG cables by Trenchless technology by adopting Horizontal boring and Drawing of Cable including preparation at site With HDPE Pipe iii) Normal Soil 6" Bore size BESCOM SR 2010-11 Labour Charges Sl No 294 Item No 27.1.2.3	Rmtr
35	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable e) 4 core16sqmm	Per Mtr
36	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. b) 6 sqmm to 75 sqmm	Rmtr
37	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	Rmtr
38	OPEN CONDUIT SYSTEM: Supplying heavy gauge PVC conduit pipe.... dia confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screwsc) 32 mm dia 2.5mm thick	Per Mtr
	TOTAL	
	Since the Quoted Rates are Grand Total	

Certificate:- 1. The Above said Work has been carriedout satisfactorily
2. Amount Claimed in this bill has not been claimed in any of the previous bill

Assistant Executive Engineer (Ele)
BBMP, Bangalore

0	0.00	5	140.00	700.00	5	700.00	
0	0.00	50	280.00	14000.00	50	14000.00	
0	0.00	50	85.00	4250.00	50	4250.00	
0	0.00	5	85.00	425.00	5	425.00	
0	0.00	100	40.00	4000.00	100	4000.00	
0	0.00	0	40.10	0.00	0	0.00	
0	0.00	0	8.96	0.00	0	0.00	
0	0.00	50	280.00	14000.00	50	14000.00	
0	0.00	50	85.00	4250.00	50	4250.00	
0	0.00	50	4929.74	246487.00	50	246487.00	
0	0.00	6	2240.00	13440.00	6	13440.00	
0	0.00	6	3200.00	19200.00	6	19200.00	
0	0.00	50	1350.00	67500.00	50	67500.00	
0	0.00	25	730.00	18250.00	25	18250.00	
						0.00	
0	0.00	205	215.00	44075.00	205	44075.00	
						0.00	
0	0.00	205	11.00	2255.00	205	2255.00	
0	0.00	173	50.00	8650.00	173	8650.00	
0	0.00	23	62.00	1426.00	23	1426.00	
				927195.87			
0	0.00			927197.54		927197.54	927195.87
	13.70 % below			127025.83 127026.06		127026.06	127025.83
				800171.48		800171.48	
				8,00170,35		8,02170,35	